

## RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 101 575,838 A  
Source: IFWP  
Date Processed by STIC: 1/26/07

# ***ENTERED***

**CRF Errors Edited by the STIC Systems Branch**

Serial Number: 10/575, 838A

CRF Edit Date: 1/26/07  
Edited by: zll

\_\_\_ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

\_\_\_ **Corrected the SEQ ID NO. Sequence numbers edited were:**

\_\_\_\_\_

\_\_\_ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ **Inserted mandatory headings/numeric identifiers, specifically:**

\_\_\_\_\_

\_\_\_ **Moved responses to same line as heading/numeric identifier, specifically:**

\_\_\_\_\_

\_\_\_ **Other:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 10:51:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

```

4 <110> APPLICANT: GlaxoSmithKline Biologicals s.a.
5      Bruck, Claudine
6      Gerard, Catherine
7      Jonak, Zdenka
9 <120> TITLE OF INVENTION: Immunogenic compositions
12 <130> FILE REFERENCE: vb60528
14 <140> CURRENT APPLICATION NUMBER: US 10/575838A
15 <141> CURRENT FILING DATE: 2006-04-13
17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/011620
18 <151> PRIOR FILING DATE: 2004-10-11
20 <150> PRIOR APPLICATION NUMBER: GB0323965.4
21 <151> PRIOR FILING DATE: 2003-10-13
23 <160> NUMBER OF SEQ ID NOS: 7
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 157
29 <212> TYPE: PRT
30 <213> ORGANISM: homo sapiens IL-18
32 <400> SEQUENCE: 1
33 Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
34 1          5          10          15
35 Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
36          20          25          30
37 Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
38          35          40          45
39 Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
40          50          55          60
41 Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
42 65          70          75          80
43 Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
44          85          90          95
45 Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
46          100         105         110
47 Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
48          115         120         125
49 Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
50          130         135         140
51 Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
52 145         150         155
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 157
57 <212> TYPE: PRT
58 <213> ORGANISM: murine IL-18

```

## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 10:51:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

60 &lt;400&gt; SEQUENCE: 2

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61 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
62 1          5          10          15
63 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
64          20          25          30
65 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
66          35          40          45
67 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
68          50          55          60
69 Val Lys Asp Ser Lys Met Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
70 65          70          75          80
71 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
72          85          90          95
73 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
74          100         105         110
75 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
76          115         120         125
77 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
78          130         135         140
79 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
80 145         150         155

```

83 &lt;210&gt; SEQ ID NO: 3

84 &lt;211&gt; LENGTH: 20

85 &lt;212&gt; TYPE: DNA

86 &lt;213&gt; ORGANISM: Artificial Sequence

88 &lt;220&gt; FEATURE:

89 &lt;223&gt; OTHER INFORMATION: Chemically Synthesized

91 &lt;400&gt; SEQUENCE: 3

92 tccatgacgt tcctgacgtt

20

94 &lt;210&gt; SEQ ID NO: 4

95 &lt;211&gt; LENGTH: 18

96 &lt;212&gt; TYPE: DNA

97 &lt;213&gt; ORGANISM: Artificial Sequence

99 &lt;220&gt; FEATURE:

100 &lt;223&gt; OTHER INFORMATION: Chemically Synthesized

102 &lt;400&gt; SEQUENCE: 4

103 tctcccagcg tgcgccat

18

105 &lt;210&gt; SEQ ID NO: 5

106 &lt;211&gt; LENGTH: 30

107 &lt;212&gt; TYPE: DNA

108 &lt;213&gt; ORGANISM: Artificial Sequence

110 &lt;220&gt; FEATURE:

111 &lt;223&gt; OTHER INFORMATION: Chemically Synthesized

113 &lt;400&gt; SEQUENCE: 5

114 accgatgacg tcgccggtga cggcaccacg

30

116 &lt;210&gt; SEQ ID NO: 6

117 &lt;211&gt; LENGTH: 24

118 &lt;212&gt; TYPE: DNA

119 &lt;213&gt; ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 10:51:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

121 <220> FEATURE:  
122 <223> OTHER INFORMATION: Chemically Synthesized  
124 <400> SEQUENCE: 6  
125 tcgtcgtttt gtcgttttgt cggt 24  
127 <210> SEQ ID NO: 7  
128 <211> LENGTH: 20  
129 <212> TYPE: DNA  
130 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Chemically Synthesized  
135 <400> SEQUENCE: 7  
136 tccatgacgt tcctgatgct 20

**VERIFICATION SUMMARY**

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 10:51:07

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

**STATISTICS SUMMARY**

PATENT APPLICATION: US/10/575,838A

DATE: 01/26/2007

TIME: 10:51:07

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

Application Serial Number: US/10/575,838A

Alpha or Numeric or Xml: Numeric

Application Class:

Application File Date: 04-13-2006

Art Unit: IFWP

Software Application: FastSEQ

Total Number of Sequences: 7

Total Nucleotides: 112

Total Amino Acids: 314

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

**MESSAGE SUMMARY**



IFWP

## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 11:53:37

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

```

4 <110> APPLICANT: GlaxoSmithKline Biologicals s.a.
5      Bruck, Claudine
6      Gerard, Catherine
7      Jonak, Zdenka
9 <120> TITLE OF INVENTION: Immunogenic compositions
12 <130> FILE REFERENCE: vb60528
14 <140> CURRENT APPLICATION NUMBER: US 10/575838A
15 <141> CURRENT FILING DATE: 2006-04-13
17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/011620
18 <151> PRIOR FILING DATE: 2004-10-11
20 <150> PRIOR APPLICATION NUMBER: GB0323965.4
21 <151> PRIOR FILING DATE: 2003-10-13
23 <160> NUMBER OF SEQ ID NOS: 7
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 157
29 <212> TYPE: PRT
30 <213> ORGANISM: homo sapiens IL-18
32 <400> SEQUENCE: 1
33 Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
34 1          5          10          15
35 Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
36          20          25          30
37 Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
38          35          40          45
39 Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
40          50          55          60
41 Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
42 65          70          75          80
43 Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys
44          85          90          95
45 Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
46          100         105         110
47 Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
48          115         120         125
49 Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
50          130         135         140
51 Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
52 145         150         155
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 157
57 <212> TYPE: PRT
58 <213> ORGANISM: murine IL-18

```



## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 11:53:38

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

```

60 <400> SEQUENCE: 2
61 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
62 1 5 10 15
63 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
64 20 25 30
65 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
66 35 40 45
67 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
68 50 55 60
69 Val Lys Asp Ser Lys Met Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
70 65 70 75 80
71 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
72 85 90 95
73 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
74 100 105 110
75 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
76 115 120 125
77 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
78 130 135 140
79 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
80 145 150 155
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 20
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Chemically Synthesized
91 <400> SEQUENCE: 3
92 tccatgacgt tcctgacgtt 20
94 <210> SEQ ID NO: 4
95 <211> LENGTH: 18
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Chemically Synthesized
102 <400> SEQUENCE: 4
103 tctcccagcg tgcgccat 18
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 30
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Chemically Synthesized
113 <400> SEQUENCE: 5
114 accgatgacg tcgccggtga cggcaccacg 30
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 24
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 11:53:38

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

121 <220> FEATURE:  
122 <223> OTHER INFORMATION: Chemically Synthesized  
124 <400> SEQUENCE: 6  
125 tcgtcgtttt gtcgttttgt cggt 24  
127 <210> SEQ ID NO: 7  
128 <211> LENGTH: 20  
129 <212> TYPE: DNA  
130 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Chemically Synthesized  
135 <400> SEQUENCE: 7  
136 tccatgacgt tcctgatgct 20

**VERIFICATION SUMMARY**

DATE: 01/26/2007

PATENT APPLICATION: US/10/575,838A

TIME: 11:53:39

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\01262007\J575838A.raw

**Raw Sequence Listing before editing  
(for reference only)**

---



IFWP

## RAW SEQUENCE LISTING

DATE: 01/19/2007

PATENT APPLICATION: US/10/575,838A

TIME: 09:46:25

Input Set : A:\VB60528SEQLIST.txt

Output Set: N:\CRF4\01192007\J575838A.raw

4 <110> APPLICANT: GlaxoSmithKline Biologicals s.a.  
 5 Bruck, Claudine  
 6 Gerard, Catherine  
 7 Jonak, Zdenka  
 9 <120> TITLE OF INVENTION: Immunogenic compositions  
 12 <130> FILE REFERENCE: vb60528  
 14 <140> CURRENT APPLICATION NUMBER: US 10/575838A  
 15 <141> CURRENT FILING DATE: 2006-04-13  
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/011620  
 18 <151> PRIOR FILING DATE: 2004-10-11  
 20 <150> PRIOR APPLICATION NUMBER: GB0323965.4  
 21 <151> PRIOR FILING DATE: 2003-10-13  
 23 <160> NUMBER OF SEQ ID NOS: 7  
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
 Corrected Diskette Needed

(pg. 1)

## ERRORED SEQUENCES

127 <210> SEQ ID NO: 7  
 128 <211> LENGTH: 20  
 129 <212> TYPE: DNA  
 130 <213> ORGANISM: Artificial Sequence  
 132 <220> FEATURE:  
 133 <223> OTHER INFORMATION: Chemically Synthesized  
 135 <400> SEQUENCE: 7  
 136 tccatgacgt tctgatgct

20

E--&gt; 140 3/3

deleted

**VERIFICATION SUMMARY**

DATE: 01/19/2007

PATENT APPLICATION: US/10/575,838A

TIME: 09:46:26

Input Set : A:\VB60528SEQLIST.txt

Output Set: N:\CRF4\01192007\J575838A.raw

L:140 M:254 E: No. of Bases conflict, LENGTH:Input:3 Counted:21 SEQ:7

L:140 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2

L:140 M:252 E: No. of Seq. differs, <211> LENGTH:Input:20 Found:21 SEQ:7